Combined Declaration for Patent Application and Power of Attorney	(Continued)
(Includes Reference to PCT International Applications)	(00111111111111111111111111111111111111

ATTORNEY'S DOCKET NUMBER SHIRE-518

2	FULL NAME OF INVENTOR	FAMILY NAME CIMPOIA	FIRST GIVEN NAME Alex	SECOND GIVEN NAME
0 1	RESIDENCE & CITIZENSHIP	Verdun (A)	STATE OR FOREIGN COUNTRY QUEBEC	COUNTRY OF CITIZENSHIP CANADA
	POST OFFICE ADDRESS	STREET 290 Edgdar, App. 204	CITY Verdun	STATE & ZIP CODE/COUNTRY QUEBEC, CANADA, H3E 1C9
2	FULL NAME OF INVENTOR	FAMILY NAME LALONDE	FIRST GIVEN NAME James	SECOND GIVEN NAME Joseph
0 2	RESIDENCE & CITIZENSHIP	Palo Alto	STATE OR FOREIGN COUNTRY USA	COUNTRY OF CITIZENSHIP CANADA
	POST OFFICE ADDRESS	615 Georgia Avenue	Palo Alto	STATE & ZIP CODE/COUNTRY California, 94306, USA
2	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
0 3	RESIDENCE & CITTZENSHIP	спү .	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	СПҮ	STATE & ZIP CODE/COUNTRY
2	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
0 4	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY
2	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
0 5	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	спу	STATE & ZIP CODE/COUNTRY
2	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
0 6	RESIDENCE & CITIZENSHIP	СПҮ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	СПУ	STATE & ZIP CODE/COUNTRY
2	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
0 7	RESIDENCE & CITIZENSHIP	СПҮ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	СПУ	STATE & ZIP CODE/COUNTRY

Combined Declaration for Patent Application and Power of Attorney (Continued) (Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER SHIRE-518

2	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
8	RESIDENCE & CITIZENSHIP	СПУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	СГГҮ	STATE & ZIP CODE/COUNTRY
2 0 9	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	СПУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	СПУ	STATE & ZIP CODE/COUNTRY
2 1 0	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	СПУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	СПУ	STATE & ZIP CODE/COUNTRY
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	POST OFFICE ADDRESS	STREET	СПҮ	STATE & ZIP CODE/COUNTRY
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	POST OFFICE ADDRESS	STREET	СПУ	STATE & ZIP CODE/COUNTRY
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	DATE	SIGNATURE OF INVENTOR 207	DATE
SIGNATURE OF INVENTOR 10	DATE 11/2/05	SIGNATURE OF INVENTOR 208	DATE
SIGNATURE OF INVENTOR 203	DATE	SIGNATURE OF INVENTOR 209	DATE
SIGNATURE OF INVENTOR 204	DATE	SIGNATURE OF INVENTOR 210	DATE
SIGNATURE OF INVENTOR 205	DATE	SIGNATURE OF INVENTOR 211	DATE
SIGNATURE OF INVENTOR 206	DATE	SIGNATURE OF INVENTOR 212	DATE

Combined Declaration for Patent Application and Power of Attorney (Continued) (Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER
SHIRE-518

		TELLIA VILLA		
2	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
0 8	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	СПУ	STATE & ZIP CODE/COUNTRY
2	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
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	POST OFFICE ADDRESS	STREET	СПУ	STATE & ZIP CODE/COUNTRY
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	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY
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1 1	RESIDENCE & CITIZENSHIP	СПУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	СІТҮ	STATE & ZIP CODE/COUNTRY
2	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
2	RESIDENCE & CITTZENSHIP	СПҮ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	СПУ	STATE & ZIP CODE/COUNTRY
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	DATE	SIGNATURE OF INVENTOR 207	DATE
RC	JULE 20	2005	: ;
SIGNATURE OF INVENTOR 202	DATE	SIGNATURE OF INVENTOR 208	DATE
SIGNATURE OF INVENTOR 203	DATE	SIGNATURE OF INVENTOR 209	DATE
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SIGNATURE OF INVENTOR 206	DATE	SIGNATURE OF INVENTOR 212	DATE

(Includes Reference to PCT Inter	FOR PATENT APPLICATION national Applications)	SI OF ATTORINEY	SHIRE-518
As a below named inventor, I here			3111CE-318
My residence, post office add	ress and citizenship are as stated belo	W next to my name	
Lucileve Lam the original C			
names are listed below) of the	subject matter which is claimed and	listed below) or an original, first and jo for which a patent is sought on the inv	oint inventor (if plural
STEREOSELECTIVE PROC	ESS FOR THE PRODUCTION OF D	IOXOLANE NUCLEOSIDE ANALO	ention entitled:
the specification of which (ch	eck only one item below).	TOXOLANE NUCLEOSIDE ANALO	GUES
is attached hereto.	, and them below).		
was filed as United	States application	,	
Serial No.	T Production		
on	•		
and was amended	•		
on (if applica			•
	ernational application		
Number PCT/CA20	03/001798		
on November 18, 20	<u>03</u> ,		
and was amended un	der PCT Article 19		
on (if applicat	le).		
I hereby state that I have review amended by any amendment refe	ed and understand the contents of the	above-identified specification, include	ling the elei
I acknowledge the duty to die a		•	
continuation-in-part applications,	material information which is material to p	atentability as defined in 37 CFR § 1 vailable between the filing date of the pri application.	.56, including for
	iming date of the continuation-in-part	application	or application and
inventor's or plant breeder's right	enefits under 35 U.S.C. 119(a)-(d) or	(f), or 365(b) of any foreign application which design	:- < > 0
country other than the United Star	es of America, listed below and have	(f), or 365(b) of any foreign application which design also identified below, by checking the rany PCT international application be	nated at least one
before that of the application on v	r plant breeder's rights certificate(s), or rhich priority is claimed	also identified below, by checking the rany PCT international application ha	box, any foreign
			og
OR FOREIGN APPLICATION NUMBER(S)	COUNTRY	FOREIGN FILING DATE (MM/DD/YYYY)	PRIORITY NOT CLAIMED
WER OF ATTORNEY.			
are associated with Customer N	nventor, I hereby appoint the attorney	s and agents at Millen, White, Zelan	O & Broning DC
		s and agents at Millen, White, Zelan tion and transact all business in the Pate	ent and Trademark
d Correspondence to:Customer No. 2	Telephone No.	Direct Telephone Call	
	703/243-6333	₩USAL LEIPDBORG Call	C 10.

Combined Declaration for Patent A	olication and Power of Attorney (Continued)
(Includes Reference to PCT International Applications)	• (· · -).

ATTORNEY'S DOCKET NUMBER
SHIRE-518

	T	I management	[
	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
2		CIMPOIA	Alex	
0	RESIDENCE &	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
1	CITIZENSHIP	Verdun	QUEBEC	CANADA
1	POST OFFICE	STREET	СПУ	STATE & THE CODE STOUDS THE
	POST OFFICE ADDRESS	290 Edgdar, App. 204		STATE & ZIP CODE/COUNTRY
<u></u>	ļ		Verdun	QUEBEC, CANADA, H3E 1C9
	FULL NAME	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
2	OF INVENTOR	LALONDE	James	Joseph
0	RESIDENCE &	СПУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
2	CITIZENSHIP	West Roxbury	USA	USA
		STREET	CITY	STATE & ZIP CODE/COUNTRY
	POST OFFICE ADDRESS	56 Glenham Street	West Roxbury	Massachuttes, 02132, USA
			FIRST GIVEN NAME	SECOND GIVEN NAME
i	FULL NAME OF INVENTOR	FAMILY NAME	PROTOTALIA NAME	SECOND GIVEN NAME
2				
0	RESIDENCE &	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
3	CITIZENSHIP			
	POST OFFICE	STREET	CITY	STATE & ZIP CODE/COUNTRY
	ADDRESS			
		FAMILY NAME	EMET CHIENLY AND	
	FULL NAME OF INVENTOR	PANILI NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
2				
0	RESIDENCE &	СПУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
4	CITIZENSHIP			
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ļ		FAMILY NAME		
	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
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Ш				
	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
.2	OF HAVENTOR	<u> </u>		
0	RESIDENCE &	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
6	CITIZENSHIP			
	POST OFFICE	STREET	СПҮ	STATE & ZIP CODE/COUNTRY
l	ADDRESS			
$\vdash \vdash$		FAMILY NAME	ETPET CRUTH MANUE	
	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
2				
0	RESIDENCE &	СПҮ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
7	CITIZENSHIP			
	POST OFFICE	STREET	СПУ	STATE & ZIP CODE/COUNTRY
	ADDRESS			
				

COMBINED (Includes Refer	COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Includes Reference to PCT International Applications) ATTORNEY'S DOCKET NUMBER SHIRE-518					
As a below nam	ned inventor, I hereby de	eclare that:		· · · · · · · · · · · · · · · · · · ·		
My reside	nce, post office address	and citizenship are as	s stated below next	to my name.		
	I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:					
STEREOS	SELECTIVE PROCESS	FOR THE PRODUC	TION OF DIOXO	LANE NUCLEOSIDE ANALOGI	JES	
the specifi	ication of which (check	only one item below)	:			
	is attached hereto.					
	was filed as United Sta	ates application		•		
	Serial No					
	on			•		
	and was amended					
	on (if applicable	e).		•		
	was filed as PCT inter	national application	•			
	Number PCT/CA2003	<u>/001798</u>				
	on <u>November 18, 2003</u>	<u>3</u> ,				
	and was amended under	er PCT Article 19				
	on (if applicable	e).				
	I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.					
continuati	edge the duty to disclos on-in-part applications, al or PCT international	material information	which became avail:	ntability as defined in 37 CFR § 1 able between the filing date of the proplication.	.56, including for or application and	
inventor's country ot application	I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.					
PRIOR FOREIGN	APPLICATION NUMBER(S)	COUN	TRY	FOREIGN FILING DATE (MM/DD/YYYY)	PRIORITY NOT CLAIMED	
			· · · ·			
POWER OF ATTORNEY: As a named inventor, I hereby appoint the attorneys and agents at Millen, White, Zelano & Branigan, PC that are associated with <u>Customer Number 23599</u> to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.						
Send Correspo	ndence to:Custome No.	23599	Telephone No. 703/243-6333	Direct Telephone C Anthony J. Zelano	alls to:	